

1/24

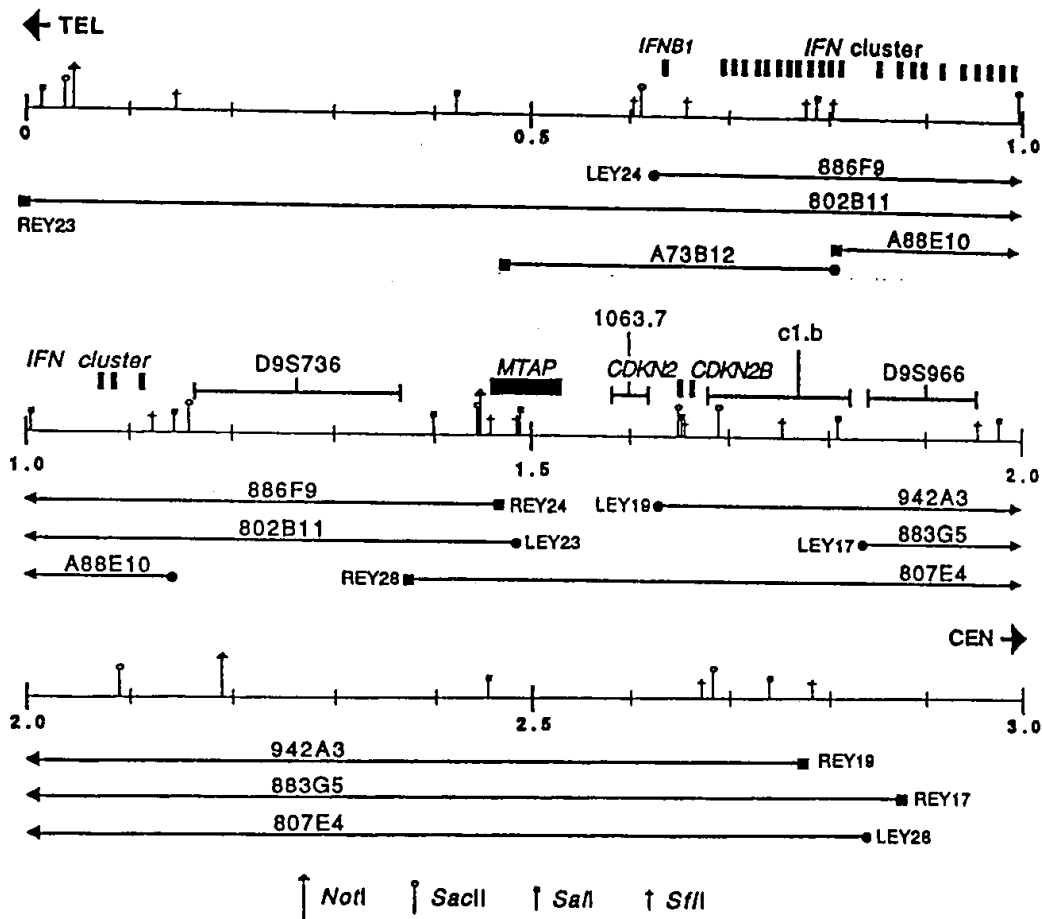


FIG. 1

2/24

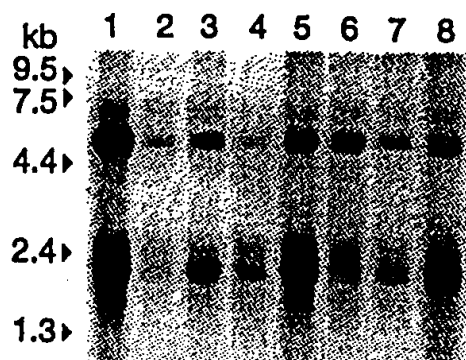


FIG. 2A



FIG. 2B

1 gaattccgct ccgcactgct cactccccgc cagtgaggtt ggcacagcca ccgctctgtg  
61 gctcgcttgg ttcccttagt cccgagcgct cgccactgc agattccttt cccgtgcaga  
121 catggcctct ggcaccacca ccaccgccgt gaagattgga ataattgggtg gaacaggcct  
181 ggatgatcca gaaatttttag aaggaagaac tgaaaaatat gtggatactc catttggcaa  
241 gccatctgat gccttaattt tggggaagat aaaaaatgtt gattgcatcc tccttgcaag  
301 gcatggaagg cagcacacca tcatgccttc aaagggtcaac taccaggcga acatctgggc  
361 tttgaaggaa gagggctgta cacatgtcat agtgaccaca gcttgtggct ccttgaggga  
421 ggagattcag cccggcgata ttgtcattat tgatcagttc attgacagga ccactatgag  
481 acctcagtc ttctatgatg gaagtcattc ttgtgccaga ggagtgtgcc atattccaat  
541 ggctgagccg ttttgcccca aaacgagaga gggttcttata gagactgcta agaagctagg  
601 actccgggtgc cactcaaagg ggacaatggt cacaatcgag ggacctcgtt ttagctccccg  
661 ggcagaaagc ttcatgttcc gcacctgggg ggccggatgtt atcaacatga ccacagttcc  
721 agaggtgggt cttgctaagg aggctggaat ttgttacgca agtatcgcca tggcgacaga  
781 ttatgactgc tggaaaggag acgaggaagc agtttcggtg gaccgggtct taagaccct  
841 gaaagaaaac gctaataaag ccaaaagctt actgctcact accatacctc agagctaggc  
901 cacagaatgg tcagaaaccc tccataacct gaagaatatg gccagtttt ctgttttatt  
961 accaagacat taaagtagca tggctgcccc ggagaaaaga agacattcta attccagtca  
1021 ttttgggaat tccgtcttaa cttgaaaaaa atatgggaaa gacatgcagc tttcatgccc  
1081 ttgcctatca aagagtatgt tgtaagaaag acaagacatt gtgtgtatta gagactcctg  
1141 aatgatttag acaacttcaa aatacagaag aaaaagcaat gactagtaaa catctgggaa  
1201 aaaatattac attttaaggg ggaaaaaaa aacccaccca ttctcttctc cccctattaa  
1261 atttgcaaca ataaaggggtg gagggtaatc tctactttcc tatactgcca aagaatgtga  
1321 ggaagaaatg ggactccttg gttatttatt gatgcgactg taaattggta cagtatttct  
1381 ggagggcaat ttggtaaaat gcatcaaaaag acttaaaaaat acggacgtcc tttgggtgctg  
1441 ggaactctac atctagcaat ttctctttta aaccatatca gagatgcata caaagaatta  
1501 tatataaaga aggggtgttta ataataatag ttataataat aaataattga aacaatctga  
1561 atcccttgca attggaggta aattatgtct tagttataat ctgattgtg aatcagccaa  
1621 ctgaaaaatc tttttgcata tttcaatgtc ctaaaaagac acggttgctc tatatatgaa  
1681 gtgaaaaaag gatattggtag cattttatag tactagtttt gctttaaaat gctatgtaaa  
1741 tatacaaaaa aactagaaaag aaatatatat aaccttggtt ttgtatttgg gggagggata  
1801 ctgggataat ttttattttc tttgaatcct tctgtgtctt cacatttttc tacagtgaat  
1861 ataatacaat agtaaagggc cgtaaaaaata aaagtggatt tagaaagatc cagttcttga  
1921 aaacactgtt tctggtaatg aagcagaatt taagtgggtg atattaaggt gaatgtcatt  
1981 taaggaggtt acatctttat tctgctaaag aagaggatca ttgatttctg tacagtcaga  
2041 acagtacttg ggtgtgcaac agctttctga gaaaagctag gtgtataata gtttaactga  
2101 aagtttaact atttaaaaga ctaaatagcac attttatggg atctgatatt ttaaaaagta  
2161 atgtgagctt ctccctttta tgagttaaat tattttatac gagttggtaa tttgtgcctt  
2221 ttaataaagt ggaagcttgc tttttaaaaa aaaaaaaaaa goggaattc

FIG. 3A

1	MASGTTTTAVKIGIIGGTGLDDPEILEGRTEKYVDTPFGK	40
41	PSDALILGKIKNVDCILLARHGRQHTIMPSKVNYQANIWA	80
81	LKEEGCTHVIVTTACGSLREEIQPGDIVIIDQFIDRTTMR	120
121	PQSFYDGSHSCARGVCHIPMAEPFCPKTREVLIETAKKLG	160
161	LRCHSKGTMVTIEGPRFSSRAESFMFRTWGADVINTTVP	200
201	EVVLAKEAGICYASIAMATDYDCWKEHEEAVSVDRVLKTL	240
241	KENANKAKSLLLLTTIPQIGSTEWSETLHNLKNMAQFSVLL	280
281	PRH 283	

FIG. 3B

5.24

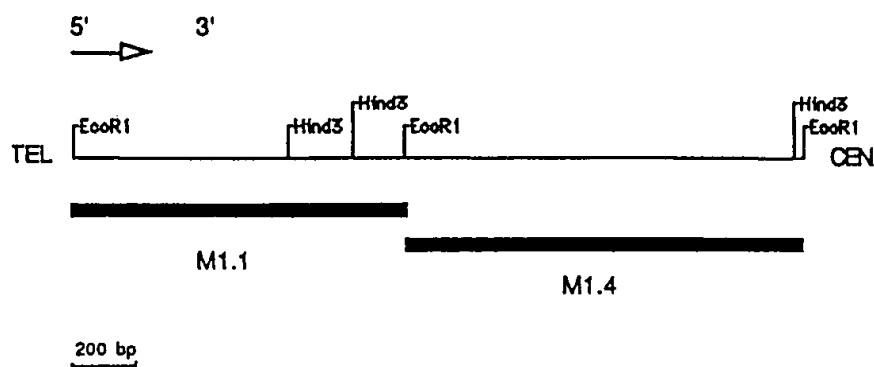


FIG. 4

29

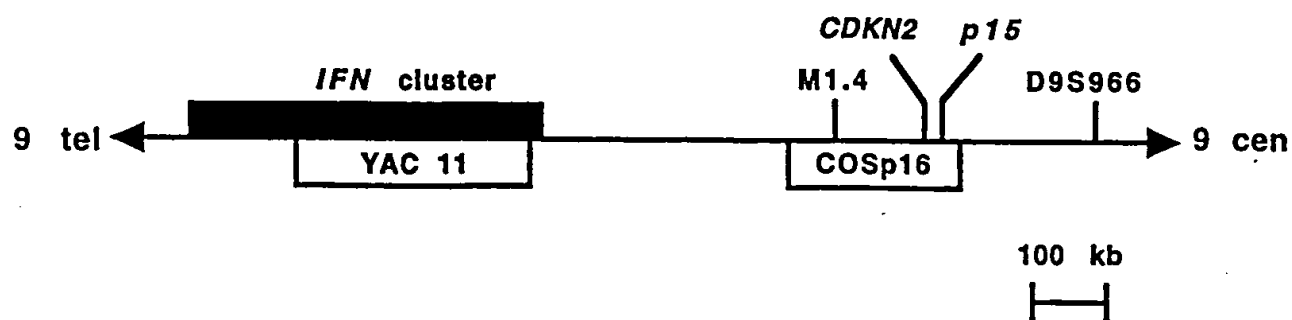


FIG. 5

1 2 3 4 5 6



FIG. 6A

1 2 3 4 5 6

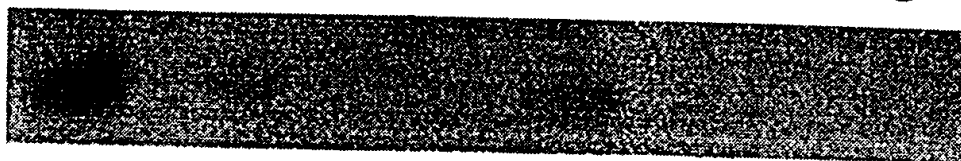


FIG. 6B

1 2 3 4 5 6

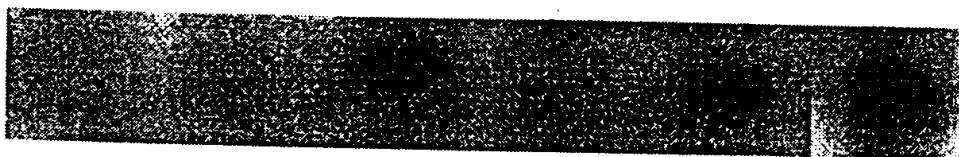


FIG. 6C

1 2 3 4 5 6



FIG. 6D

08 674311

124

1 2 3 4 5 6



FIG. 6E



9.24

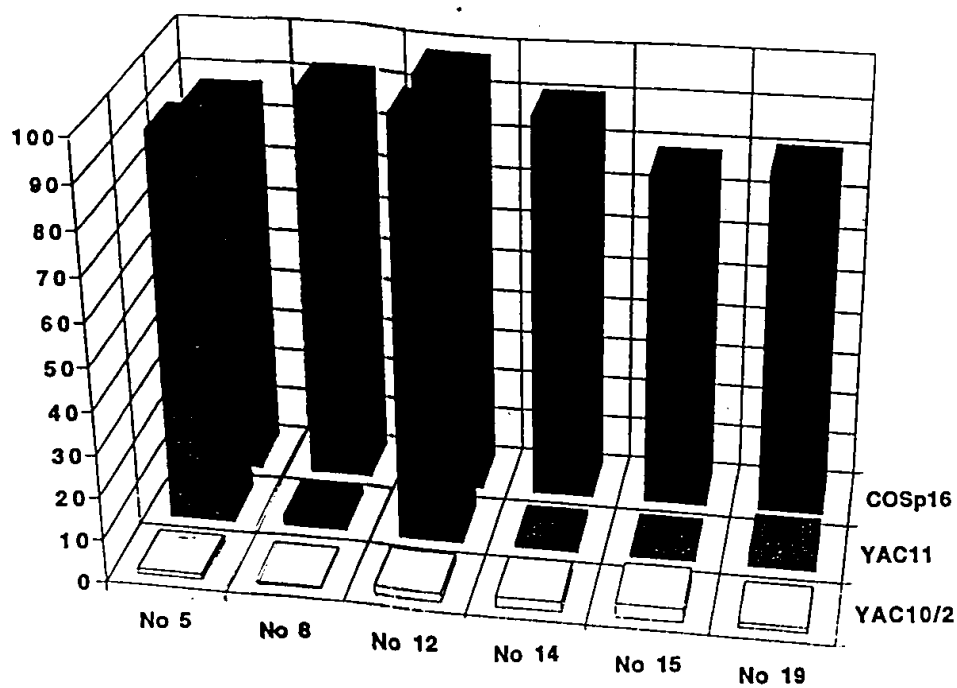


FIG. 7A

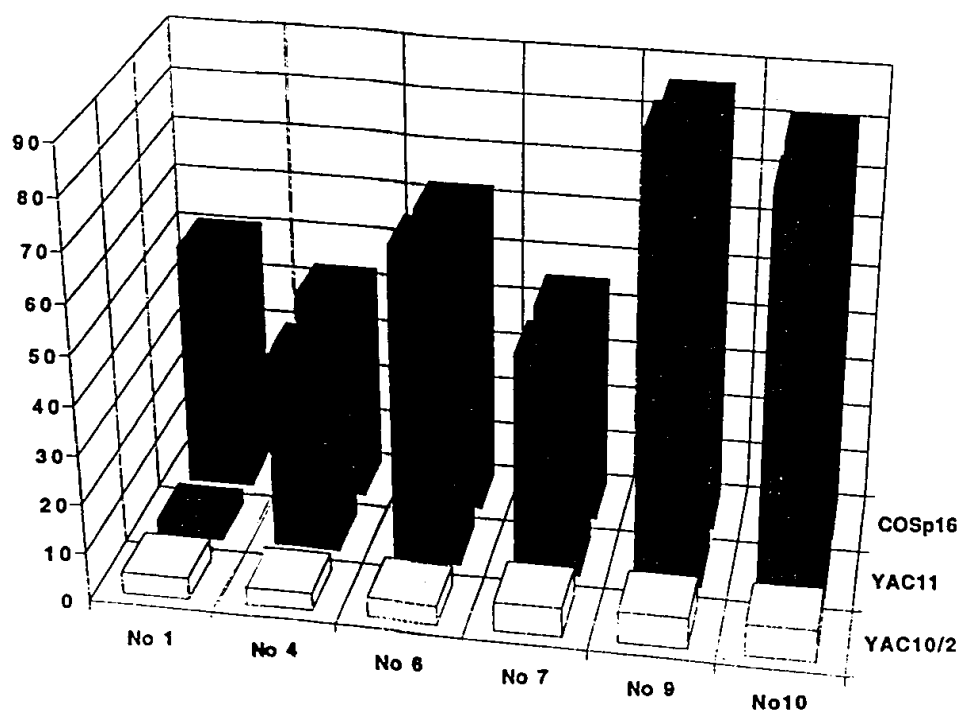


FIG. 7B

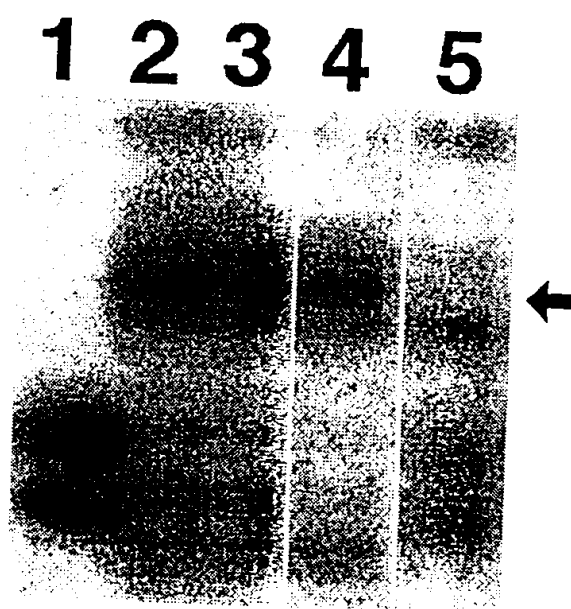


FIG. 8

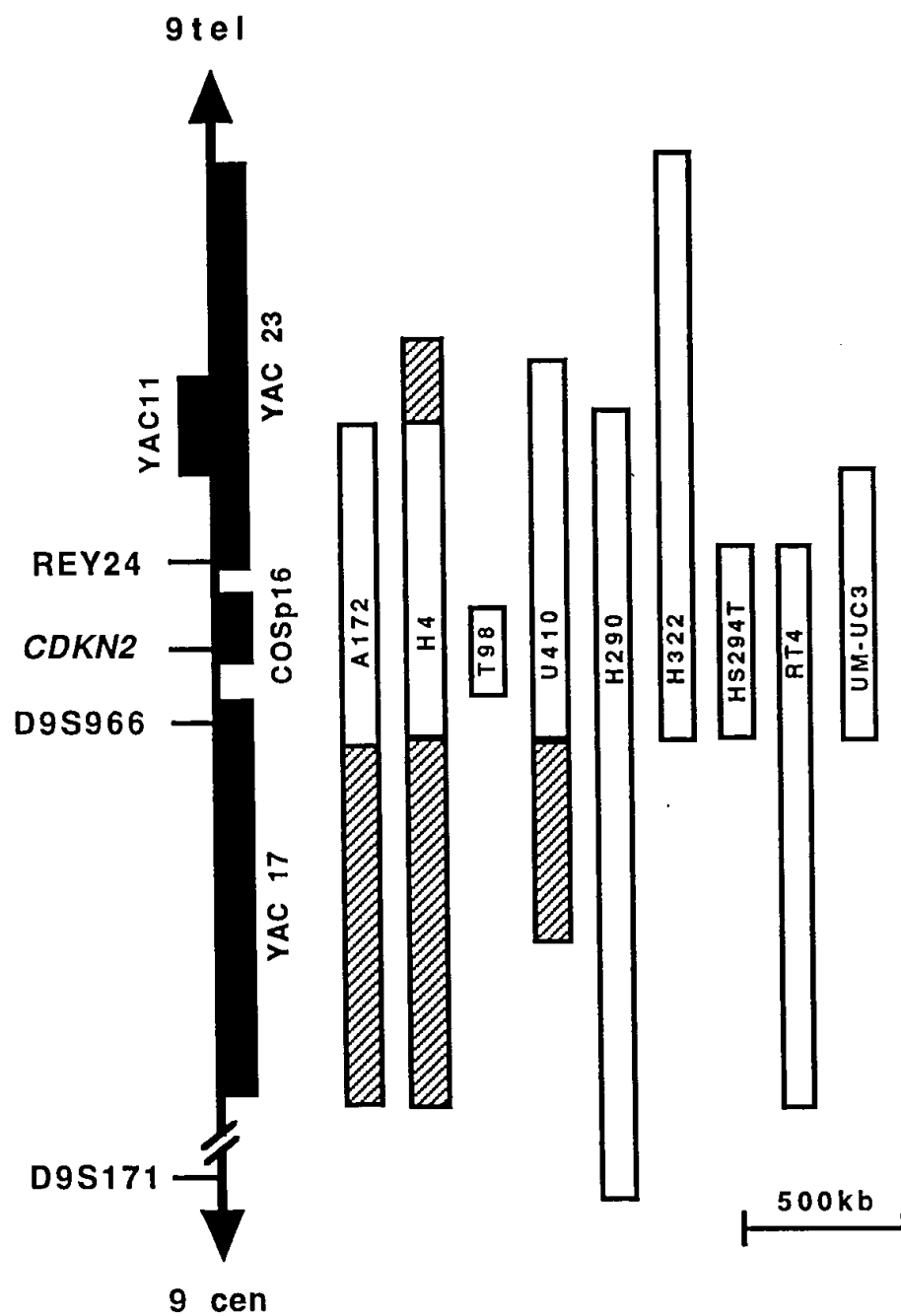


FIG. 9

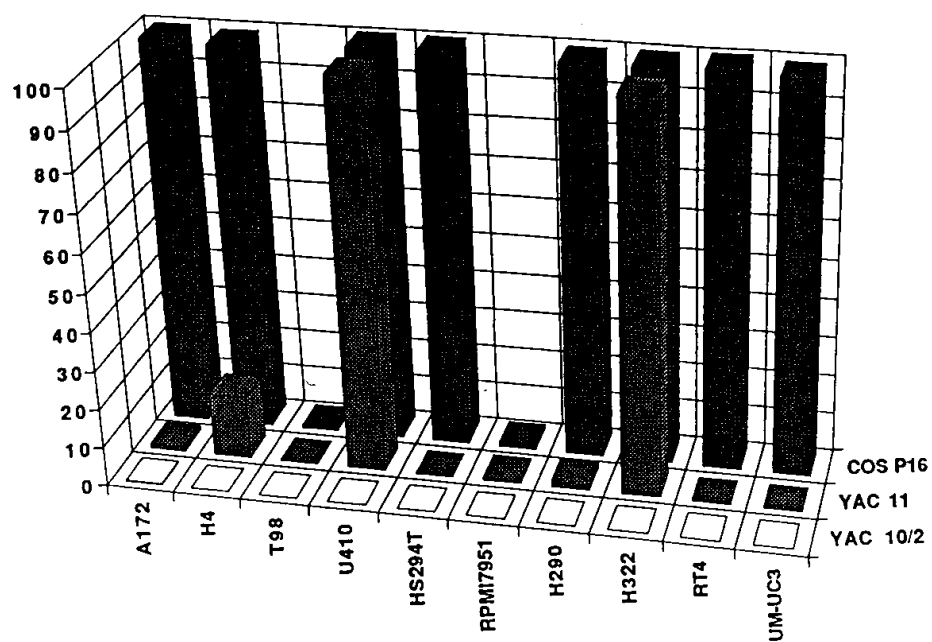


FIG. 10A

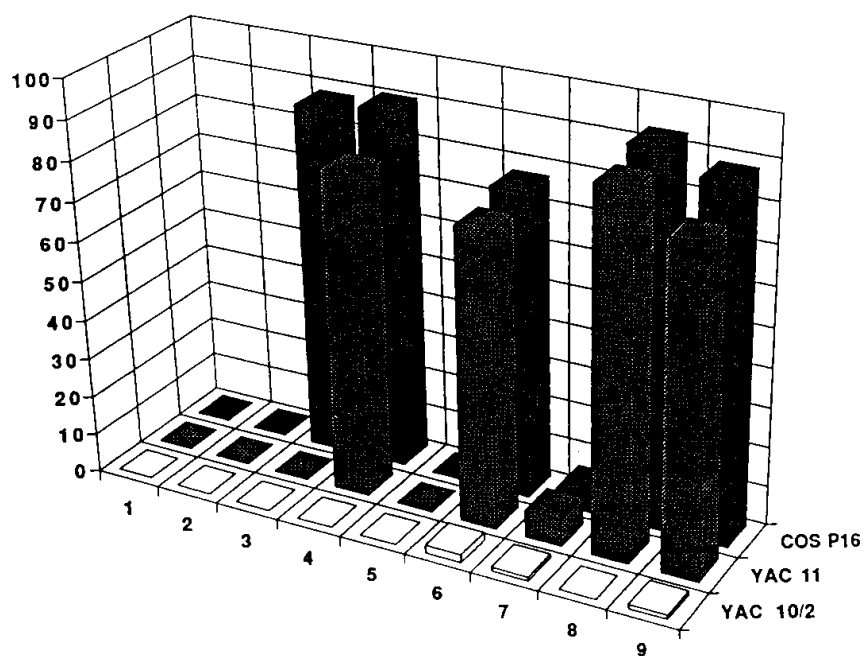


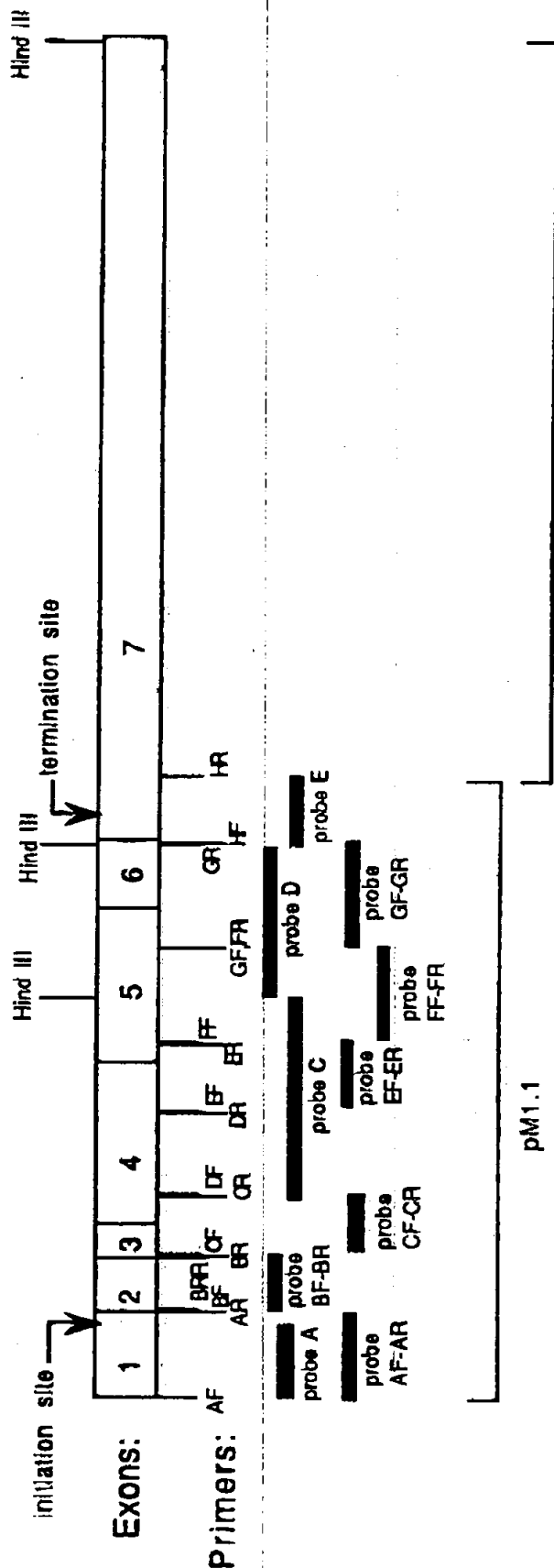
FIG. 10B

# Methylthioadenosine phosphorylase cDNA map

Telomere

Centromere

5' → 3'



cosmid 55A11:

cosmid 65G7:

cosmid 74B1:

cosmid 225B8:

cosmid 69B12:

FIG. 11

08 674311  
13/24

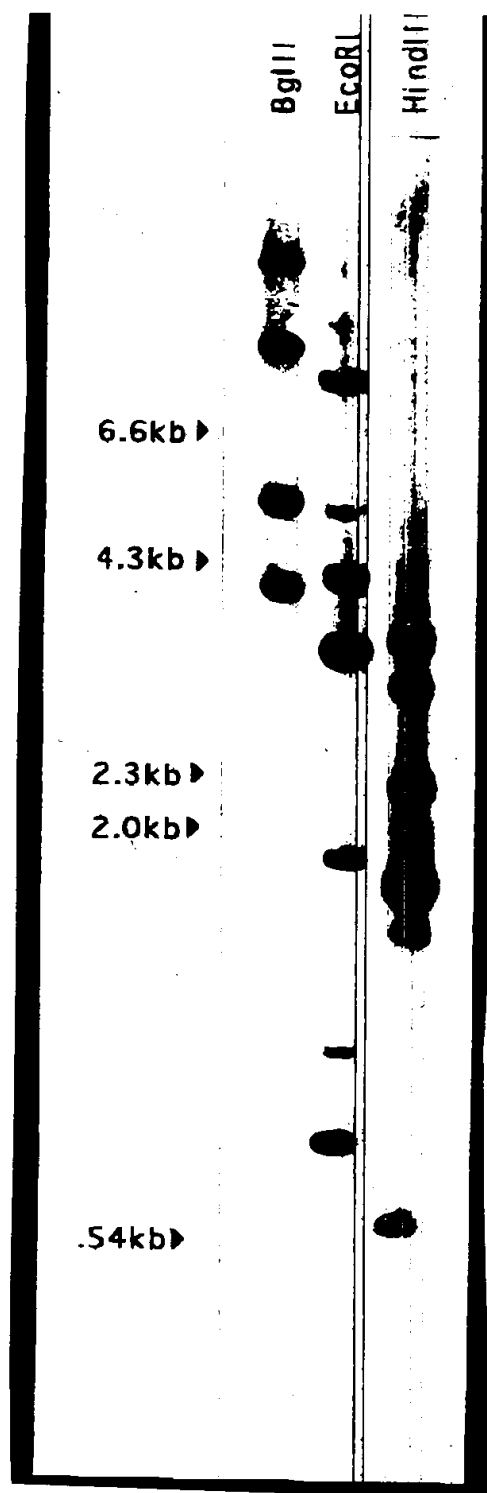


FIG. 12

08 674311

15/24

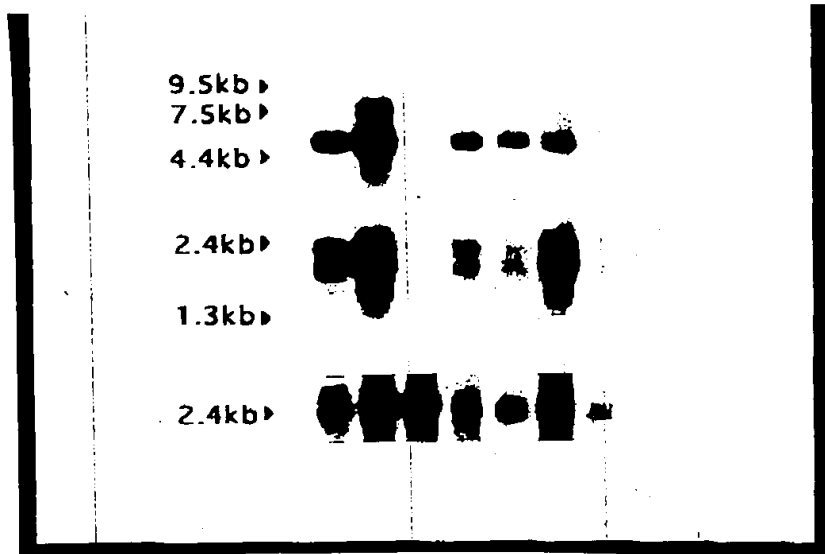


FIG. 13

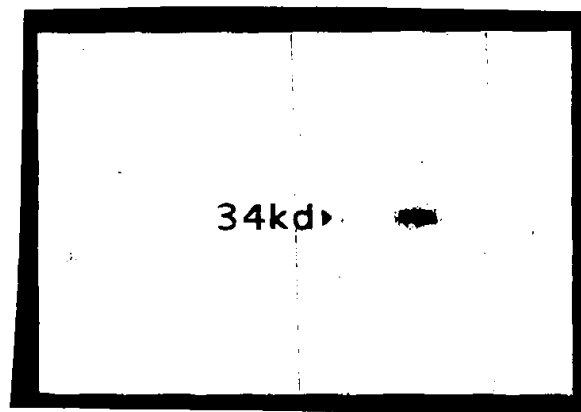


FIG. 14

# Genomic organization of the Methylthioadenosine phosphorylase gene

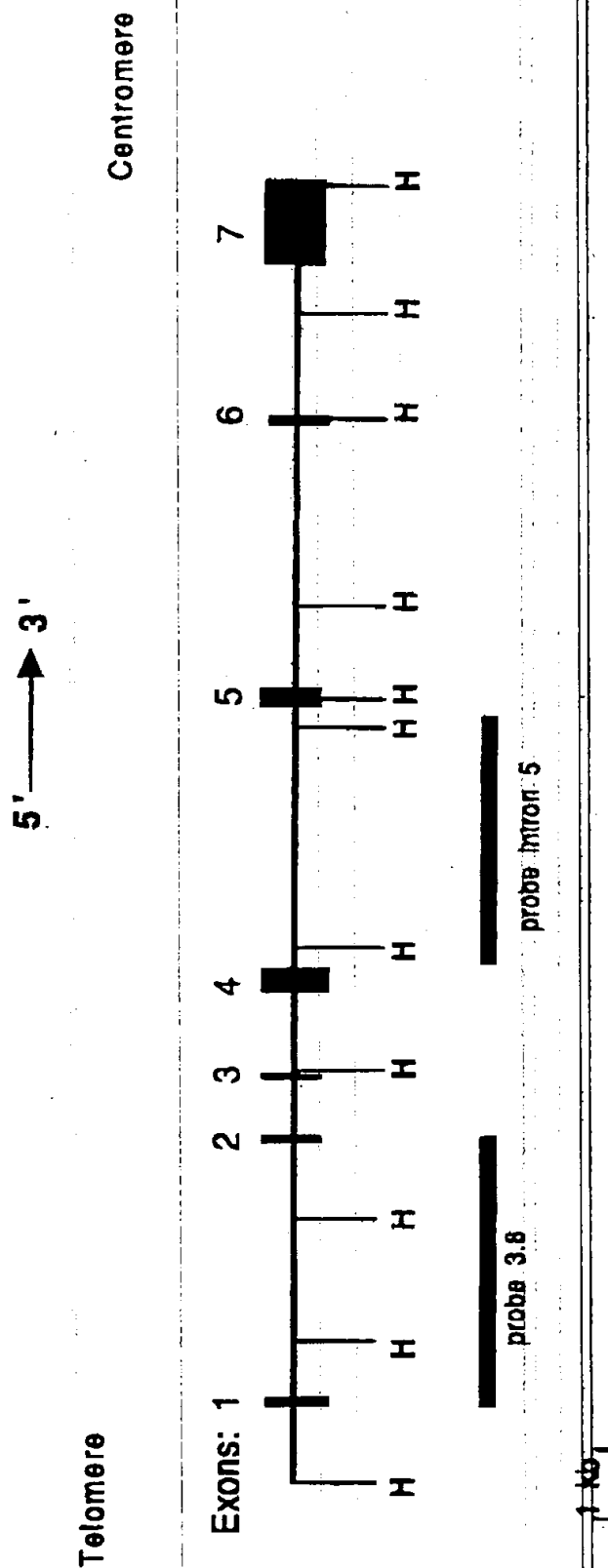


FIG. 15



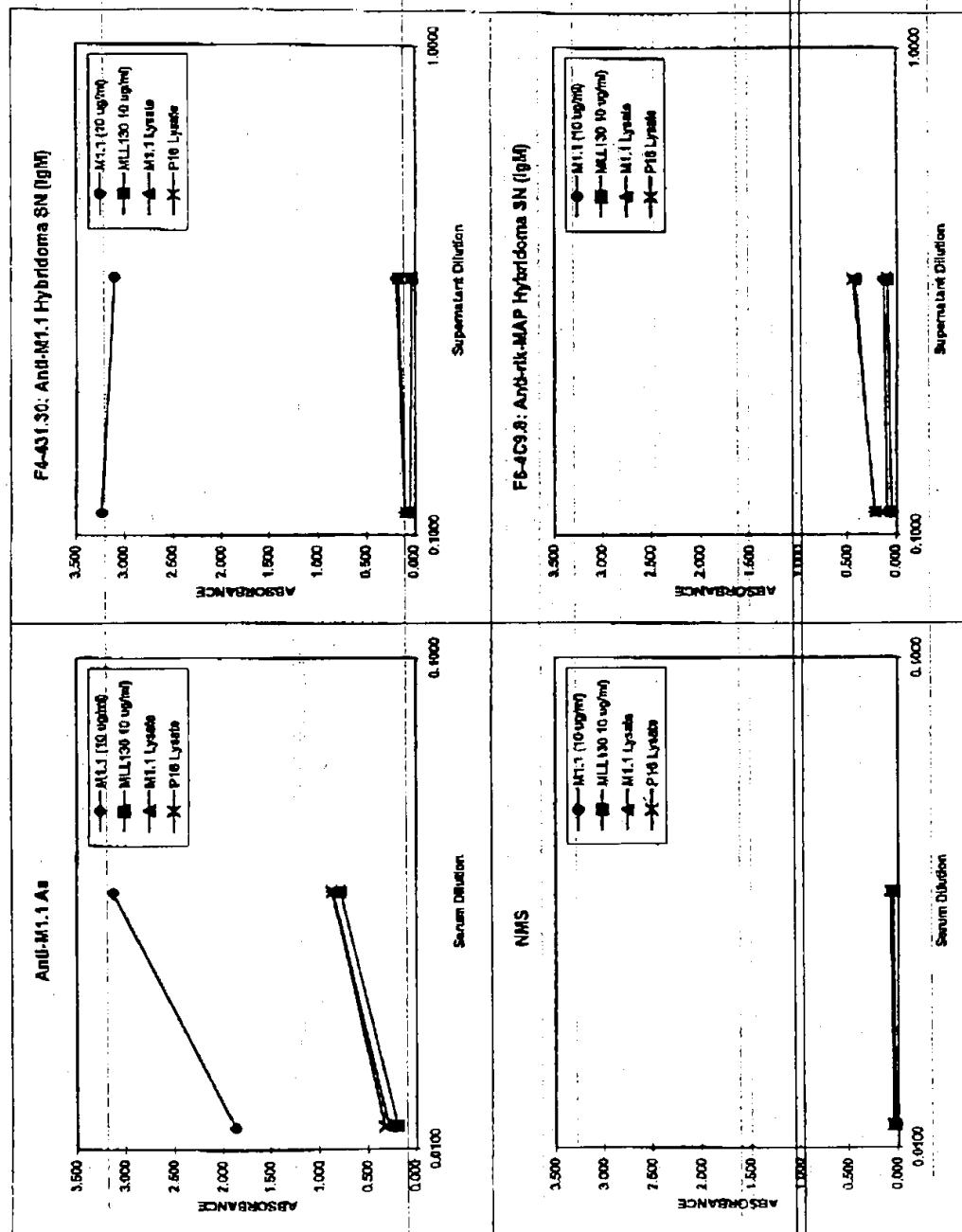
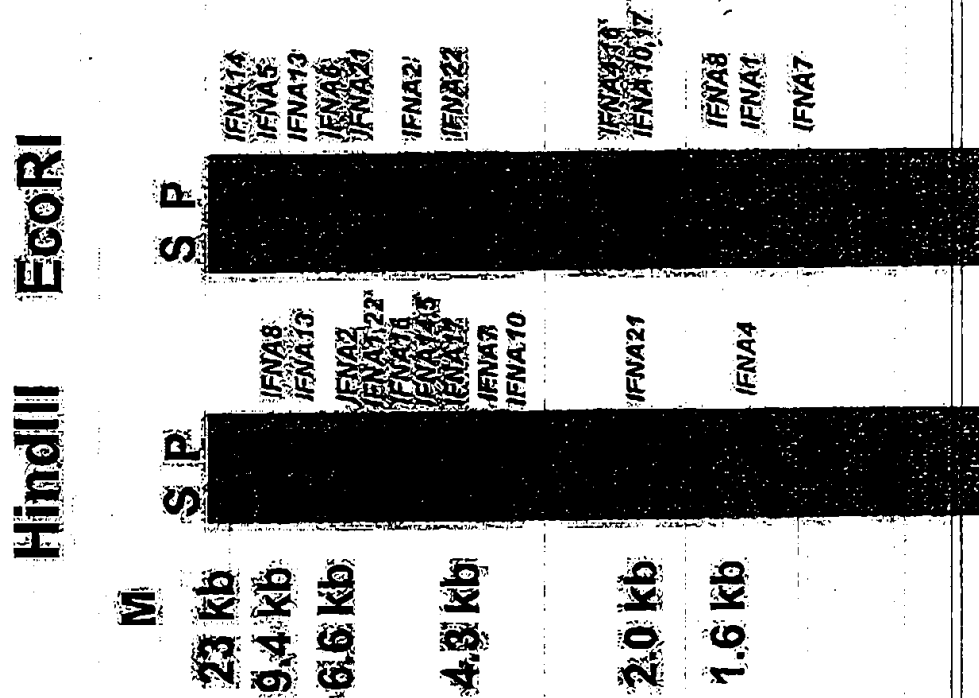


FIG. 16



**FIG. 17A**

1450

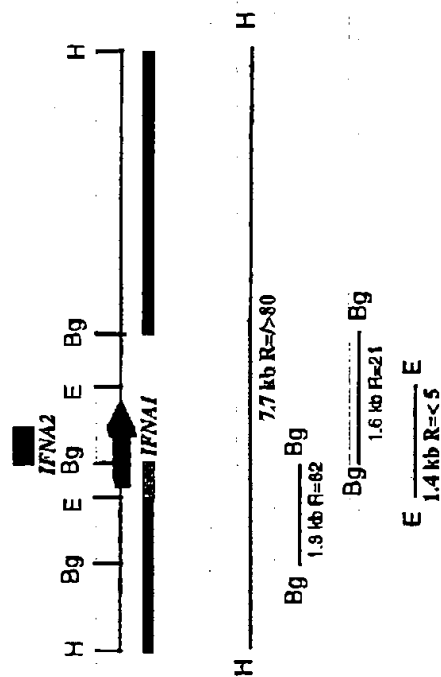


FIG. 17B

20/24

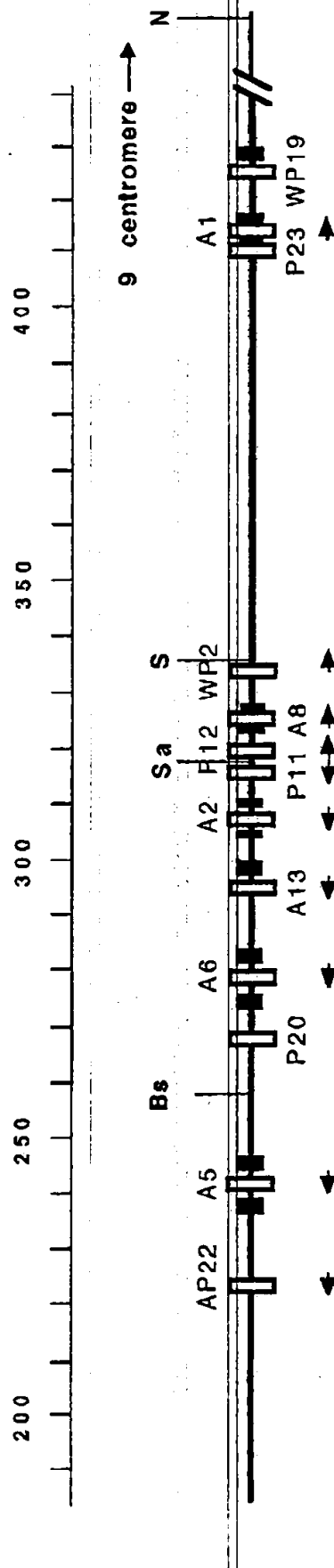
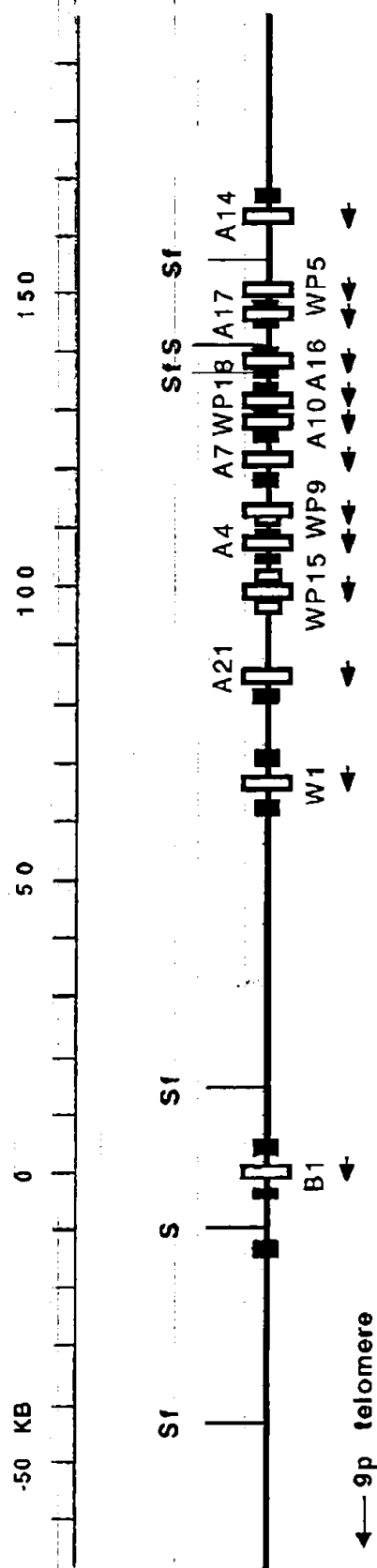


FIG. 18



FIG. 19A

Probe I Probe J Probe K  
 BglII/SamHI BamHI/EcoRI EcoRI/BglII

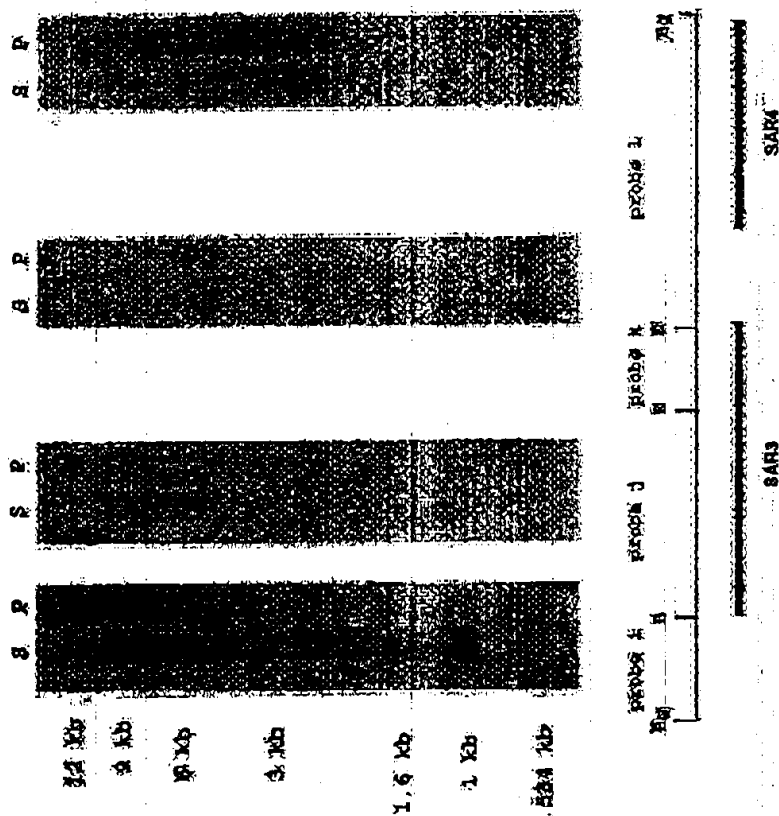


FIG. 19B

23/24

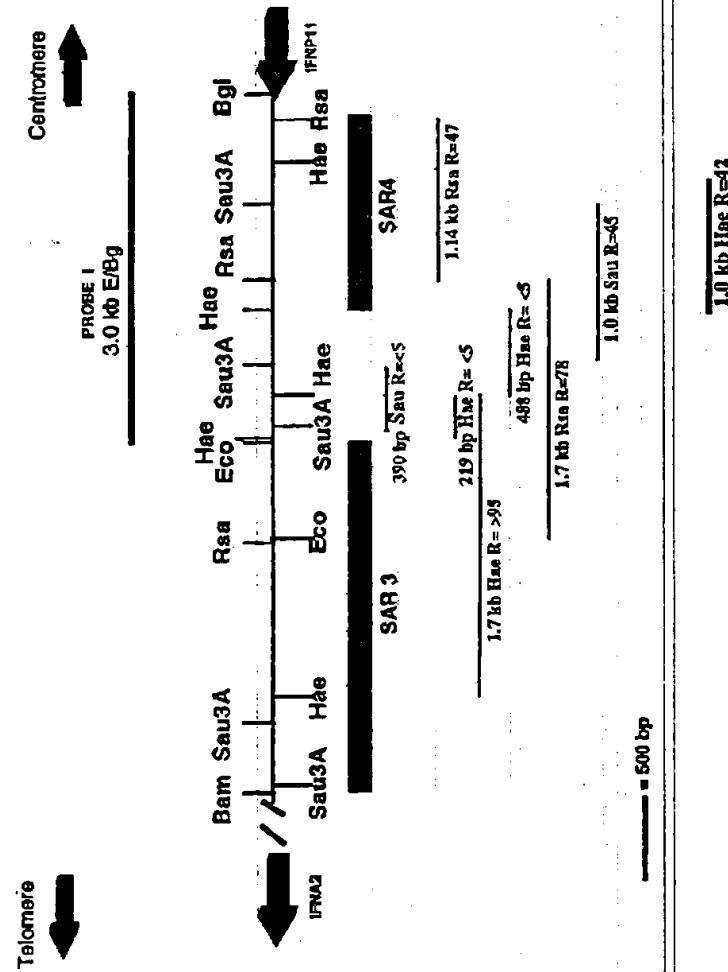


FIG. 20

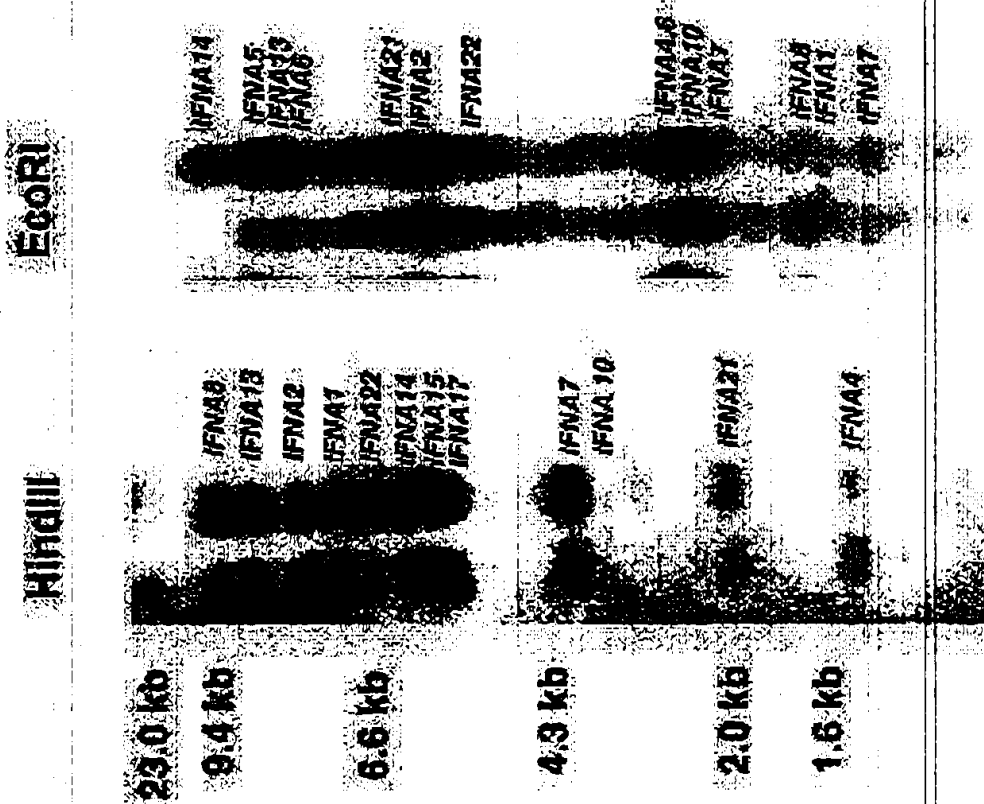


FIG. 21

08 674311

24, 24